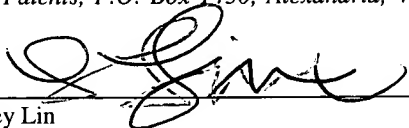




PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

I hereby certify that this correspondence is being deposited with the U.S. Postal Service as first class mail in an envelope addressed to Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450 on January 20, 2006.


Lindsey Lin

Applicant : Haixiang Liang Confirmation No. 2336
Application No. : 09/627,571
Filed : July 28, 2000
Title : IMPAIRMENT SENSITIVE SELECTION OF CONSTELLATION
POINTS FOR COMMUNICATION ACROSS A CHANNEL

Grp./Div. : 2637
Examiner : Edith M. Chang

Docket No. : 55043/DBP/B600

**INFORMATION DISCLOSURE STATEMENT WITH FEE
UNDER 37 CFR §§ 1.97(c) AND 1.17(p)**

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Post Office Box 7068
Pasadena, CA 91109-7068
January 20, 2006

Commissioner:

In compliance with the duty of disclosure under 37 CFR §§ 1.56, 1.97 and 1.98, and in accordance with the provisions in the Manual of Patent Examining Procedure §§ 609 and 707.05(b), enclosed is FORM PTO/SB/08A/B listing the references that are known to applicant. Copies of each of the listed references are enclosed.

It is respectfully requested that the listed references be considered in the examination of this application and identified on the list of references cited on the patent issuing for this application. Applicant also requests that an initialed copy of FORM PTO/SB/08A/B be entered in the application file and returned to applicant with the next communication from the Office in accordance with MPEP § 609.

Enclosed is the processing fee of \$180 as required by 37 CFR § 1.17(p). The Commissioner is hereby authorized to charge any fees which may be required by this paper to

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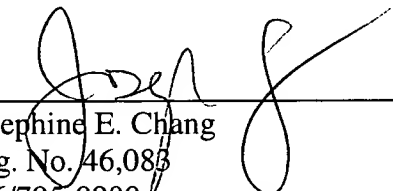
Application No. 09/627,571

Deposit Account No. 03-1728. Please show our docket number with any Deposit Account transaction. **A copy of this paper is enclosed.**

Respectfully submitted,

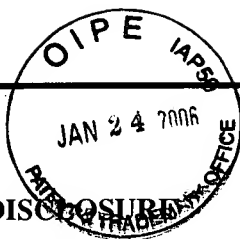
CHRISTIE, PARKER & HALE, LLP

By


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Reg. No. 46,083
626/795-9900

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Enclosures: Check \$180
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INFORMATION DISCLOSURE

STATEMENT BY APPLICANT

(use as many sheets as necessary)

| | |
|------------------------|----------------|
| Attorney Docket Number | 55043/DBP/B600 |
| Application Number | 09/627,571 |
| Filing Date | July 28, 2000 |
| Applicant(s) | Haixiang Liang |
| Group Art Unit | 2637 |
| Examiner Name | Edith M. Chang |

U.S. PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. ¹ | DOCUMENT NUMBER Number - Kind Code ² (If Known) | PUBLICATION DATE MM-DD-YYYY | NAME OF PATENTEE |
|-------------------|-----------------------|---|--------------------------------|------------------|
| | | 5,801,695 | 09-01-1998 | Townshend |
| | | 5,809,075 | 09-15-1998 | Townshend |
| | | 5,835,538 | 11-10-1998 | Townshend |
| | | 5,859,872 | 01-12-1999 | Townshend |
| | | 5,875,229 | 02-23-1999 | Eyuboglu et al. |
| | | 5,970,103 | 10-19-1999 | Townshend |
| | | 5,991,348 | 11-23-1999 | Alelyunas et al. |
| | | 5,999,109 | 12-07-1999 | Norrell et al. |
| | | 6,104,730 | 08-15-2000 | Marks |
| | | 6,115,395 | 09-05-2000 | Norrell et al. |
| | | 6,118,813 | 09-12-2000 | Lai |

FOREIGN PATENT DOCUMENTS

| EXAMINER INITIALS | Cite No. ¹ | Foreign Patent Document Country Code ³ - Number ⁴ - Kind Code ⁵ (If Known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ (✓) |
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OTHER DOCUMENTS

| EXAMINER INITIALS | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article, title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. |
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| EXAMINER SIGNATURE | DATE CONSIDERED |
| <p>EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹Applicant's unique citation designation number (optional). ²See Kinds Codes of USPTO Patent Documents at www.pto.gov or MPEP 901.4. ³Enter Office that issued the document, by the two-letter code (WIPO standard ST.3). ⁴For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶Applicant is to place a check mark here if English Language Translation is attached.</p> | |



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